FIG. 1a
(Prior Art)

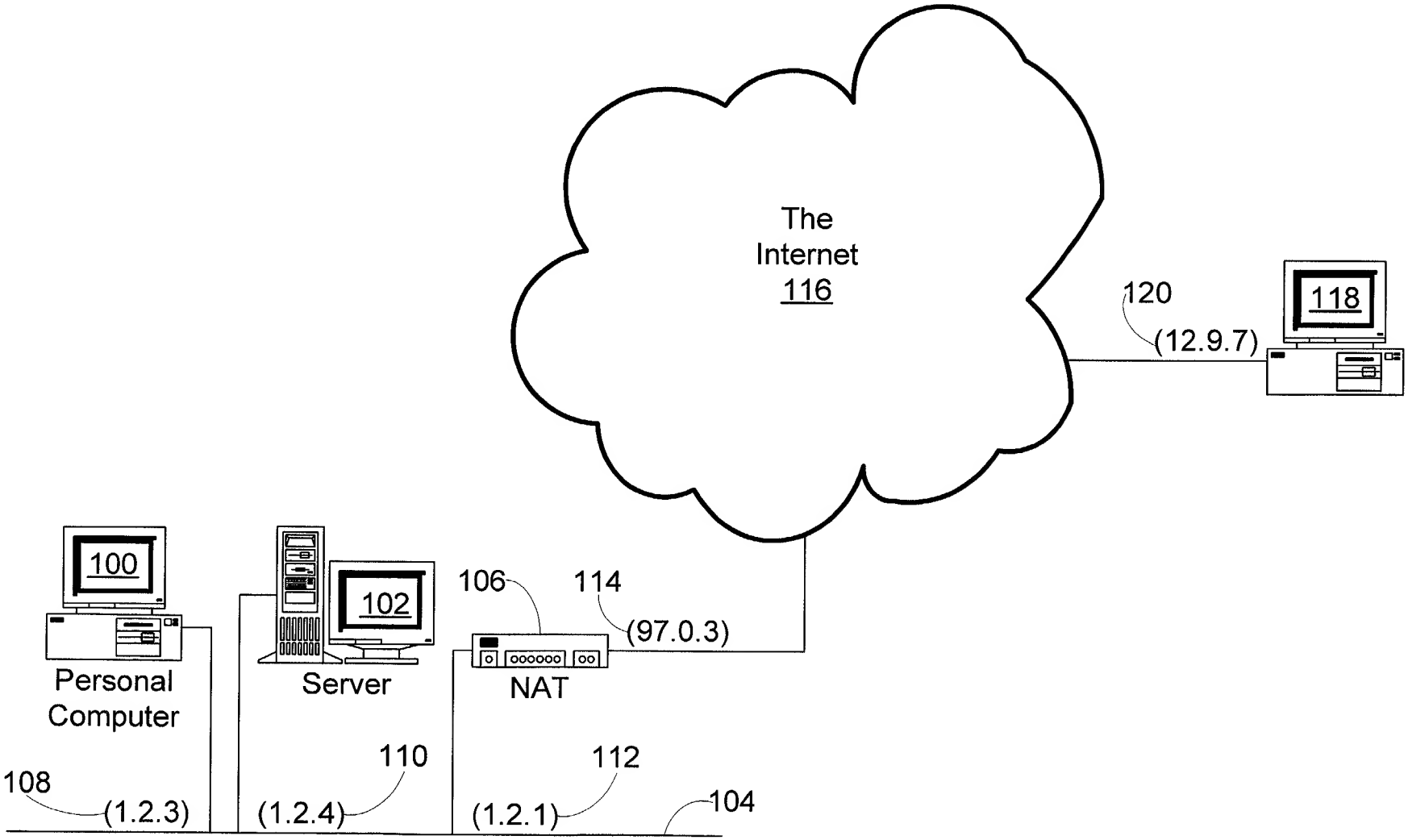


FIG. 1b
(Prior Art)

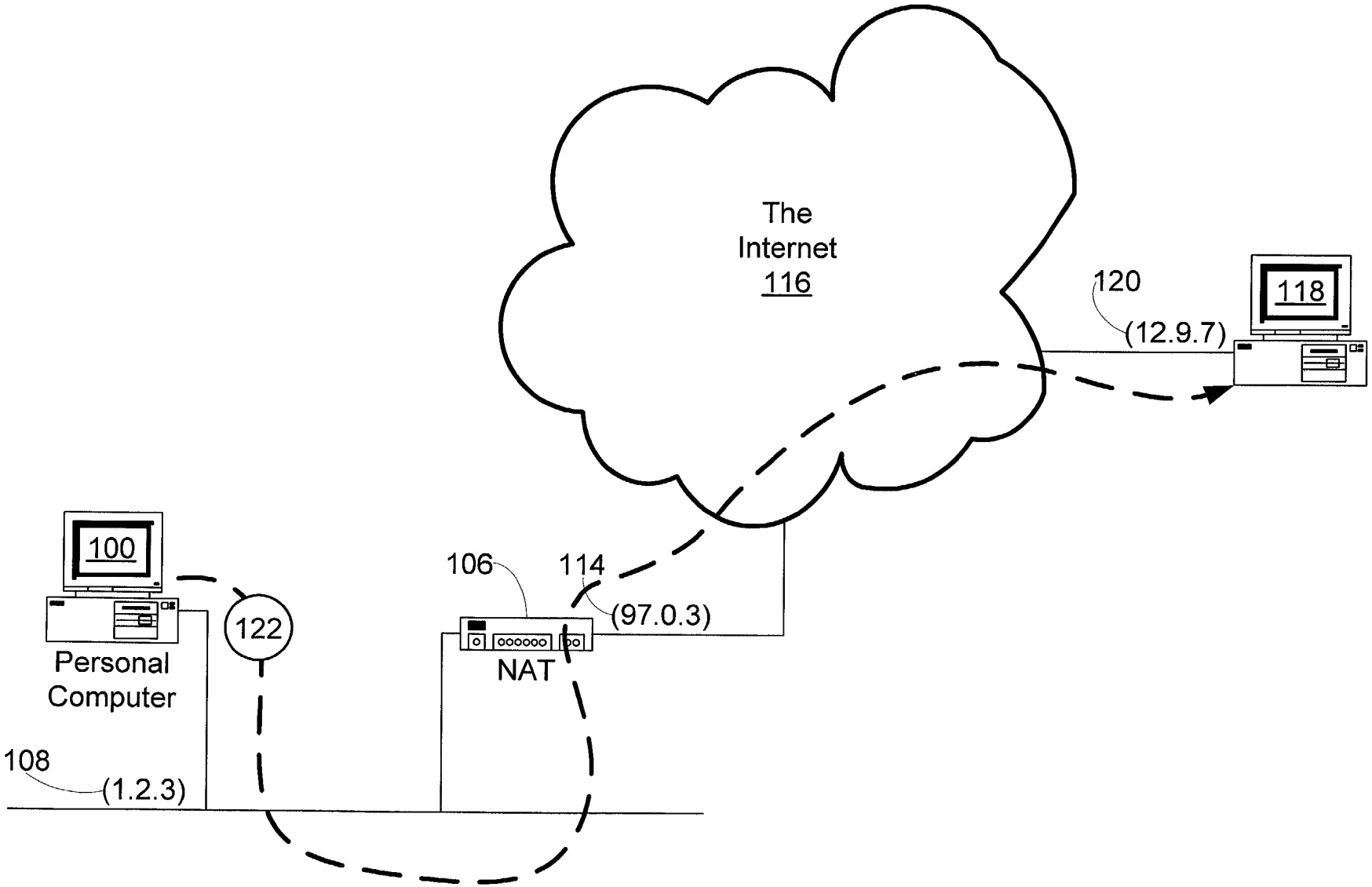


FIG. 1c
(Prior Art)

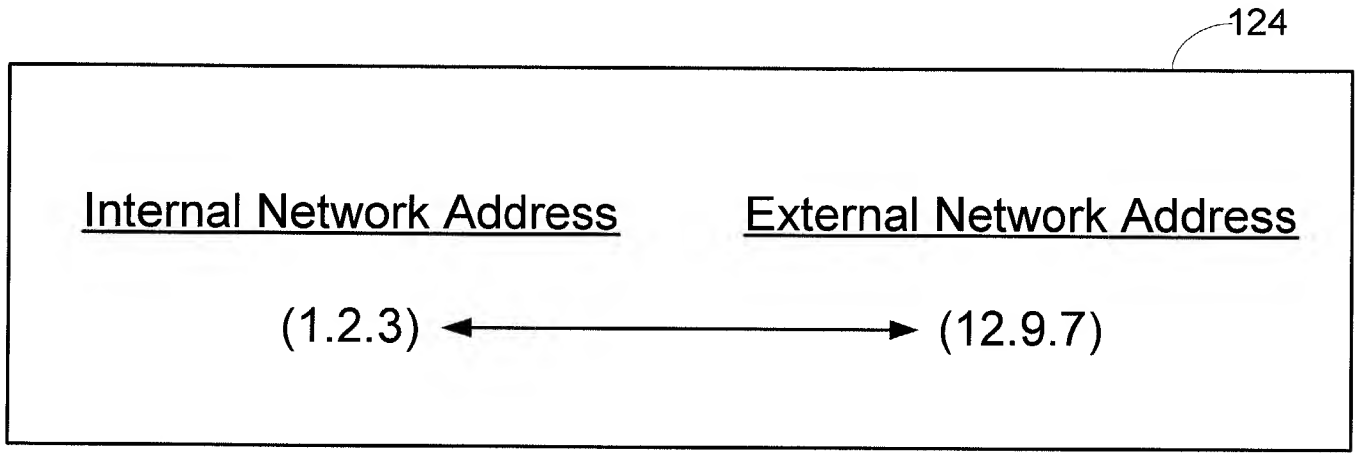
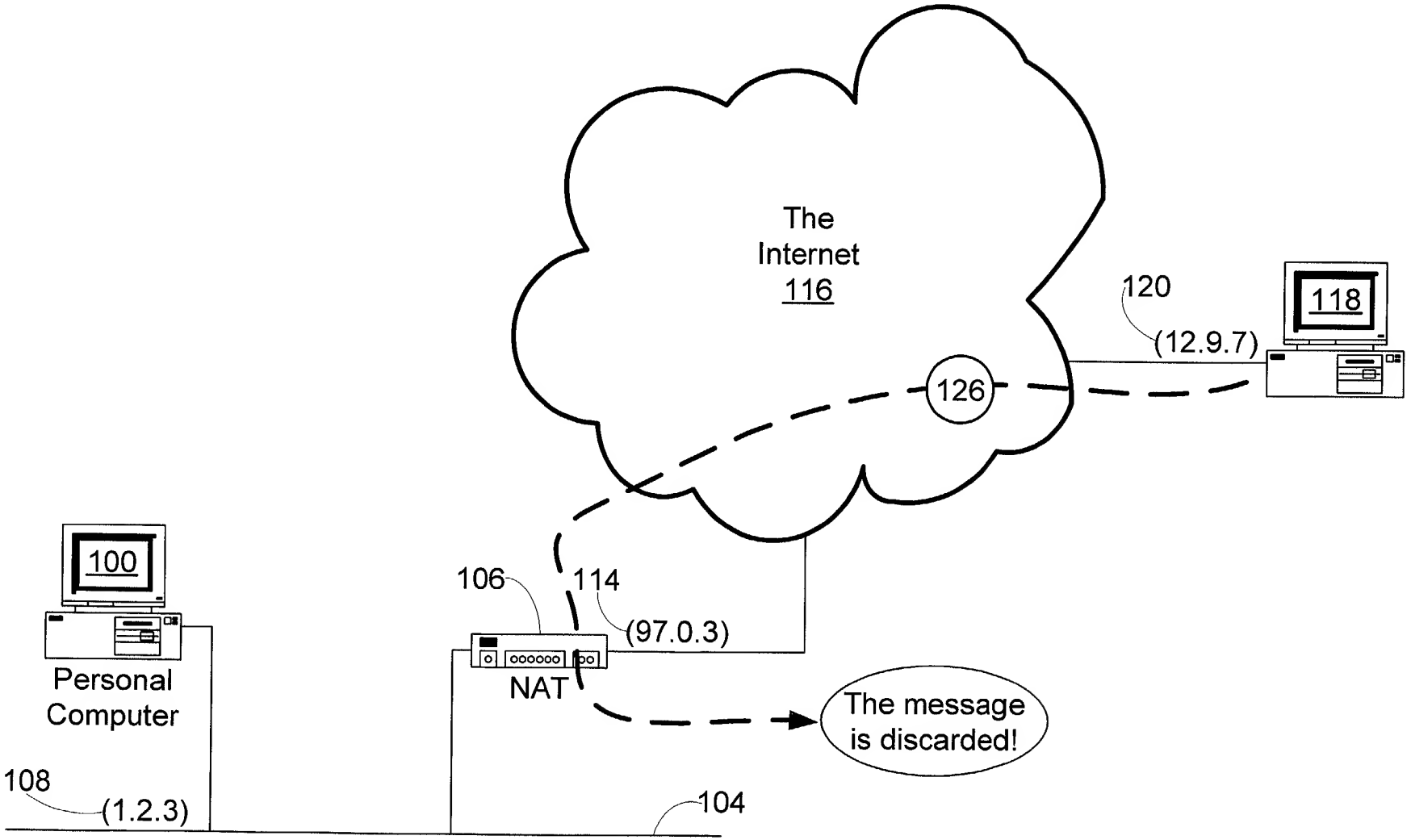


FIG. 1d
(Prior Art)



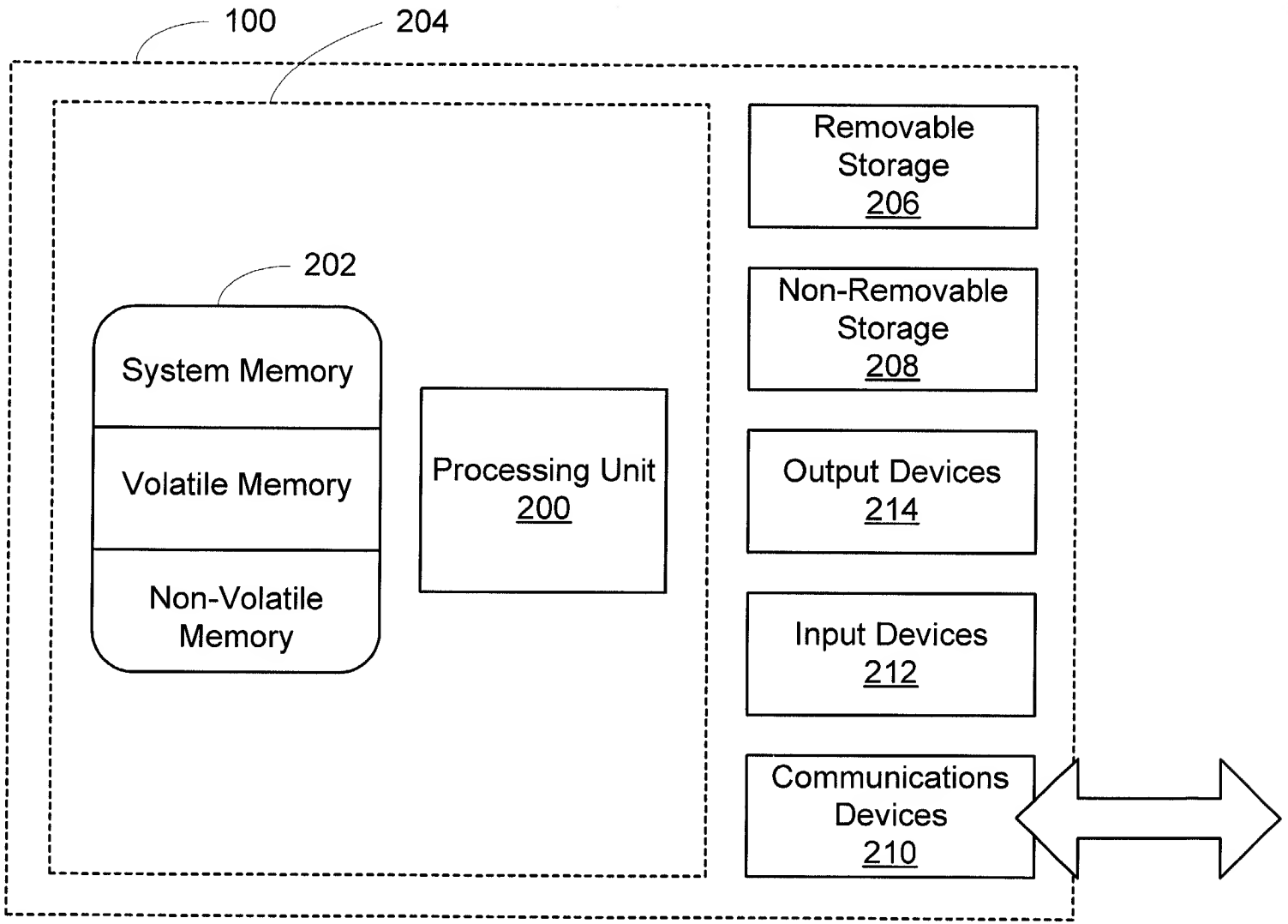

100
204
202
System Memory
Volatile Memory
Non-Volatile Memory
Processing Unit
200
Removable Storage
206
Non-Removable Storage
208
Output Devices
214
Input Devices
212
Communications Devices
210

FIG. 2

FIG. 3

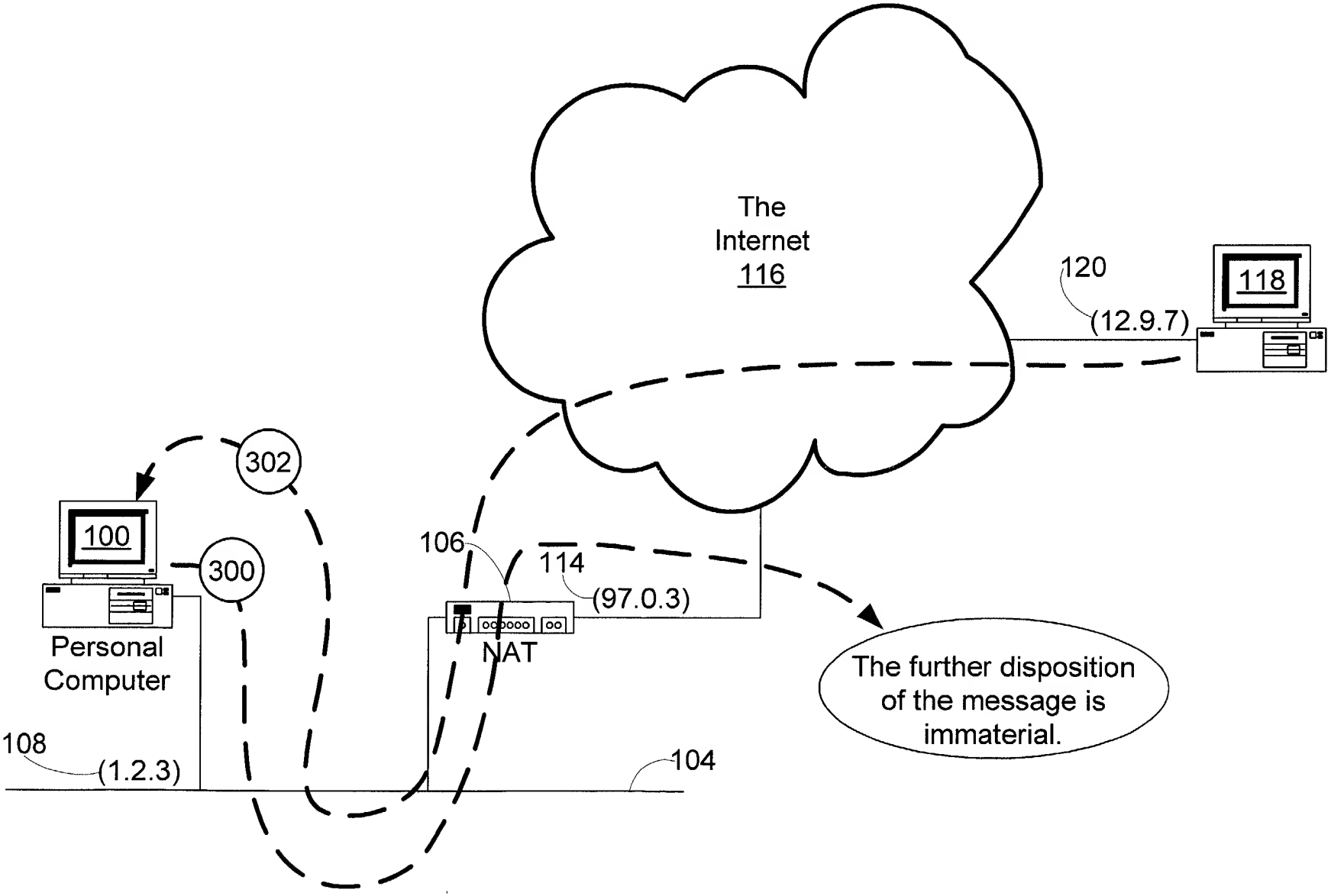

The
Internet
116
120
(12.9.7)
118
302
100
300
106
114
(97.0.3)
NAT
Personal
Computer
The further disposition
of the message is
immaterial.
108
(1.2.3)
104

FIG. 4a

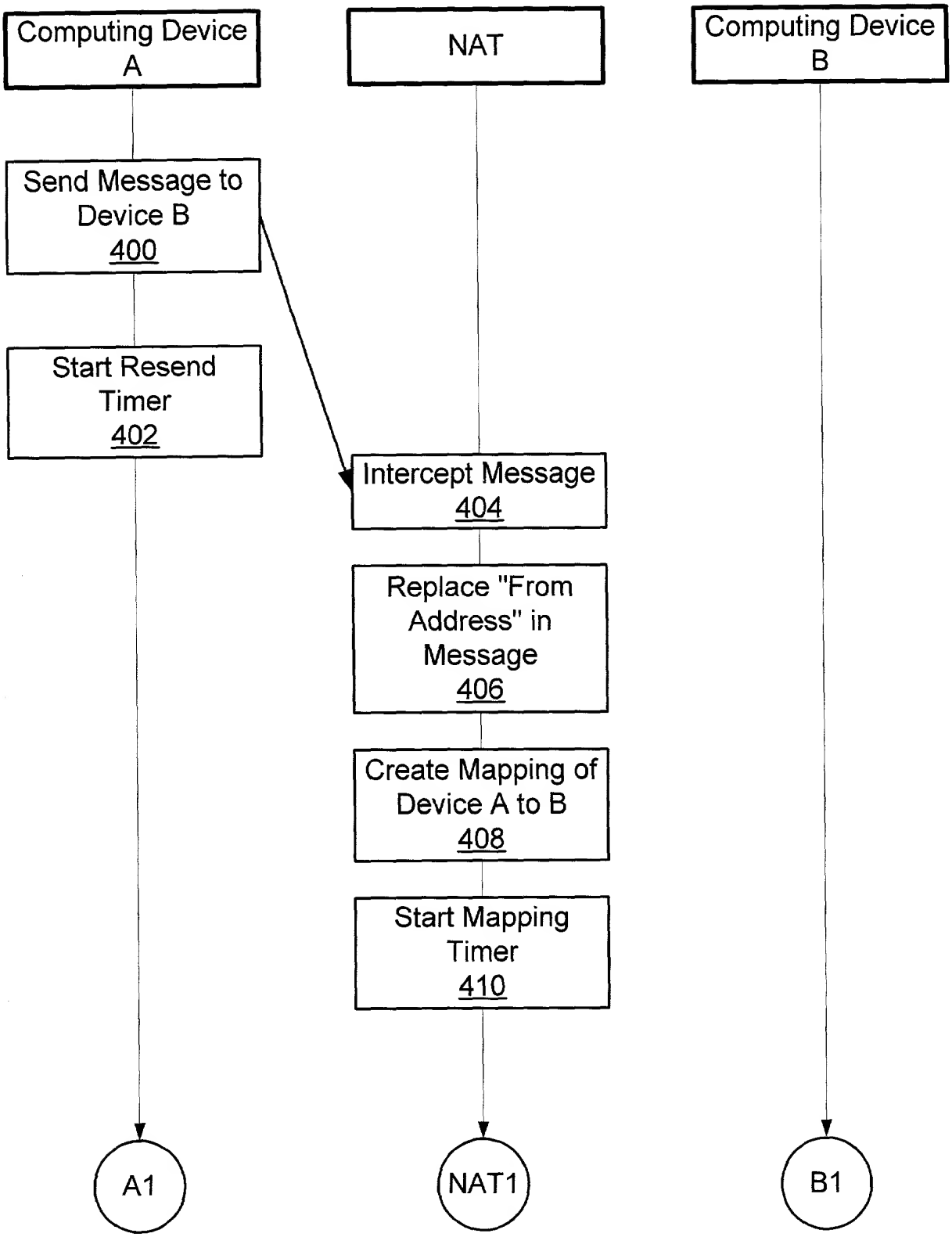

Computing Device A
NAT
Computing Device B
Send Message to Device B
400
Start Resend Timer
402
Intercept Message
404
Replace "From Address" in Message
406
Create Mapping of Device A to B
408
Start Mapping Timer
410
A1
NAT1
B1

FIG. 4b

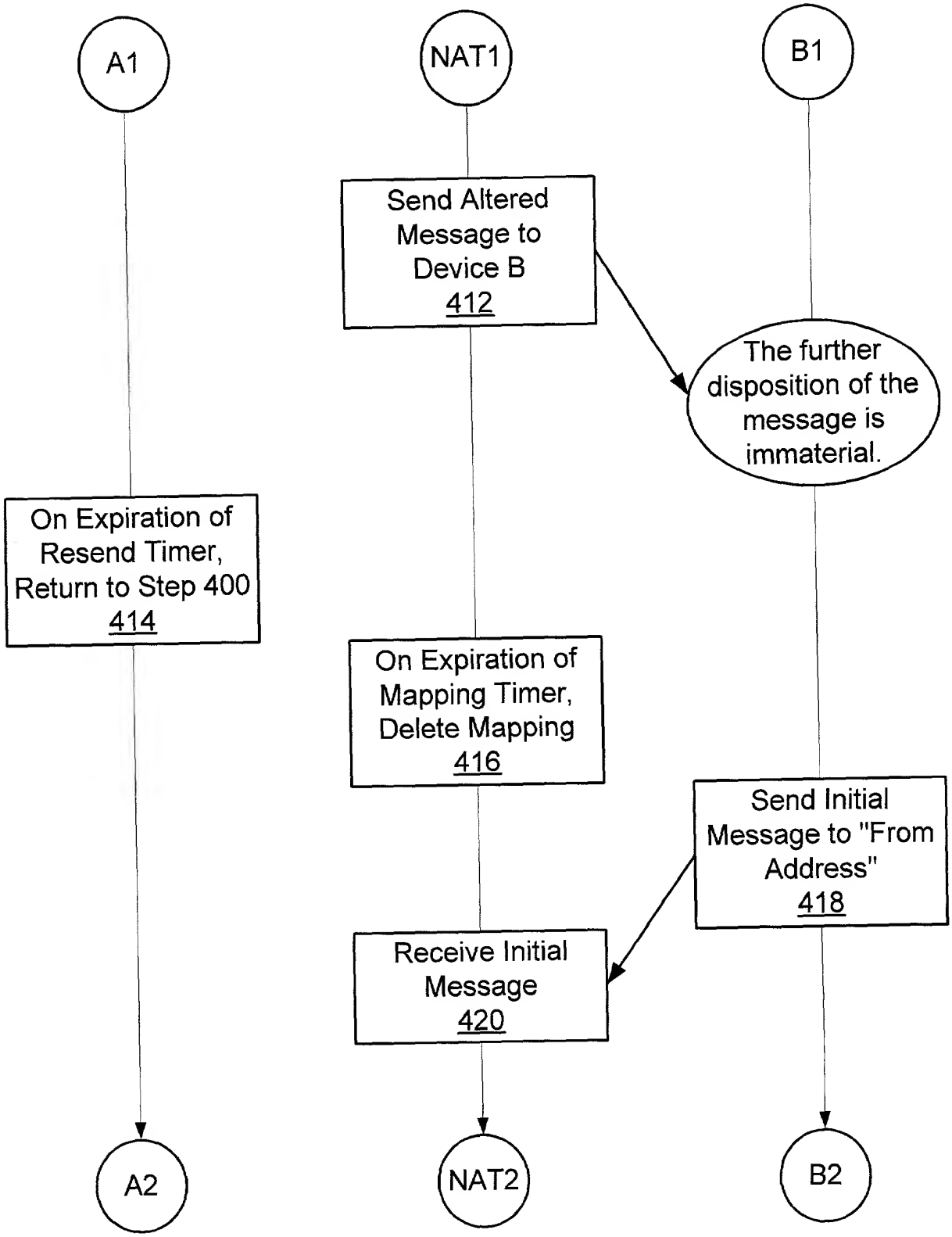
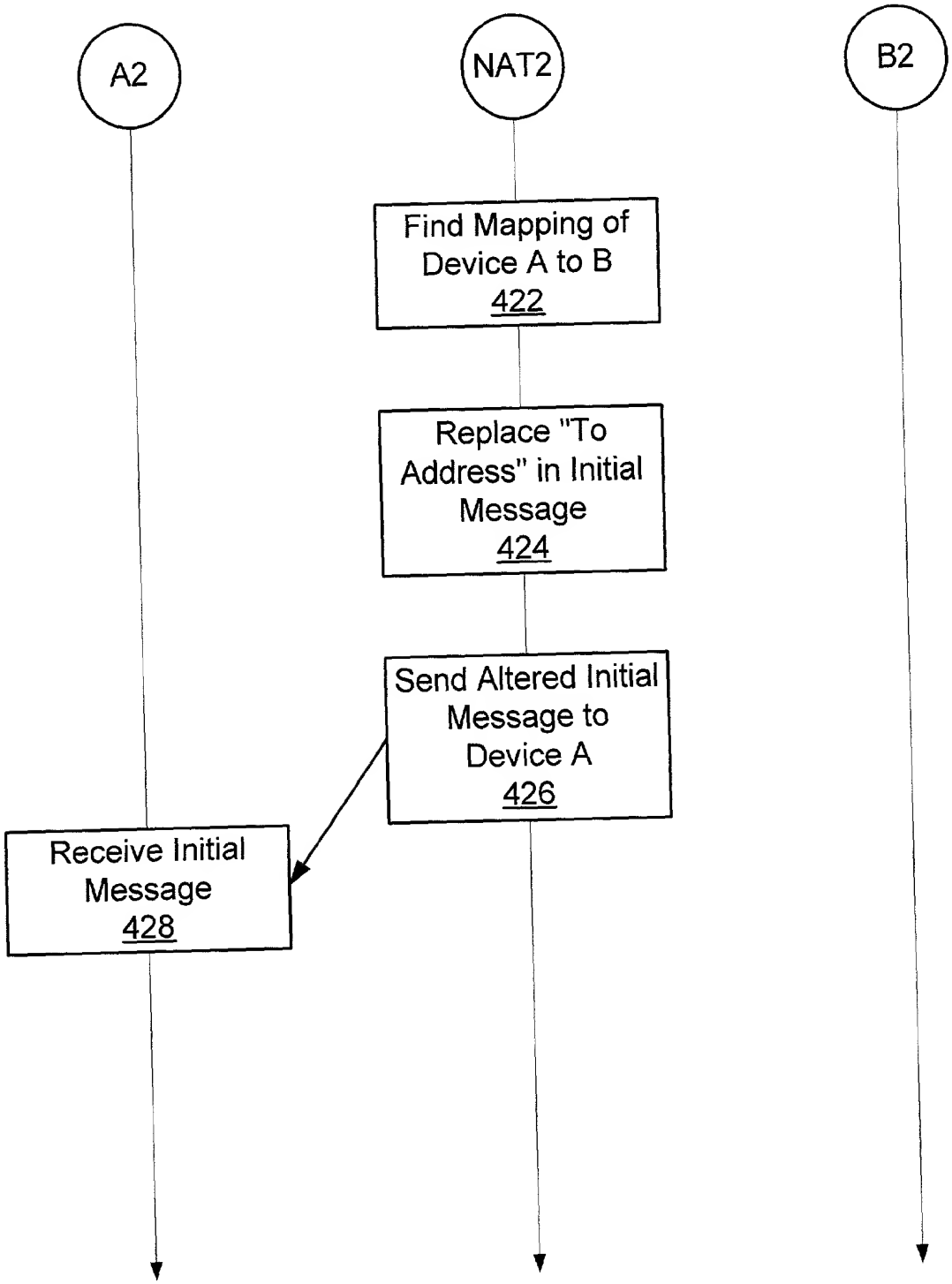

A1
NAT1
B1
Send Altered Message to Device B 412
The further disposition of the message is immaterial.
On Expiration of Resend Timer, Return to Step 400 414
On Expiration of Mapping Timer, Delete Mapping 416
Send Initial Message to "From Address" 418
Receive Initial Message 420
A2
NAT2
B2

FIG. 4c



09855525 "053801

FIG. 5

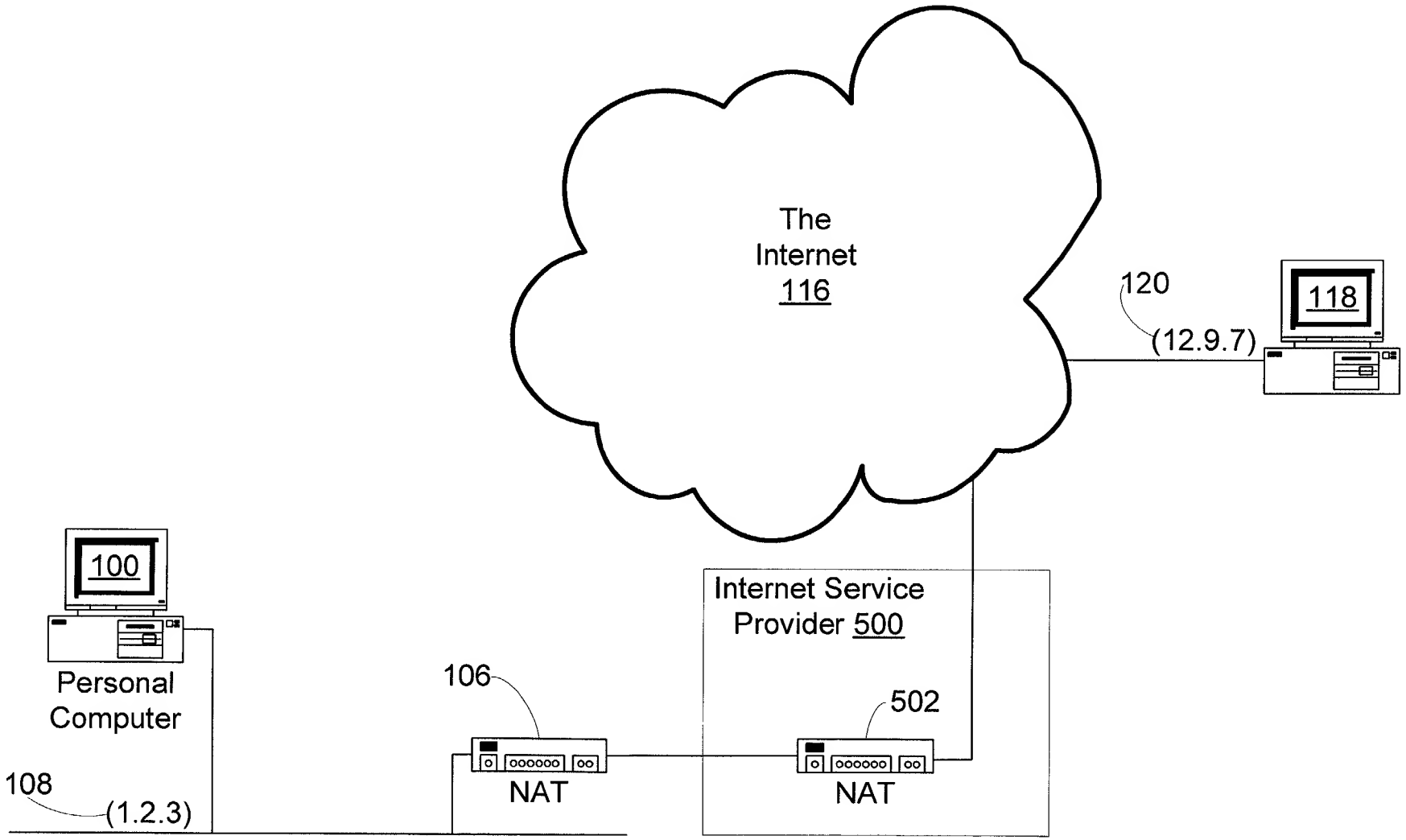
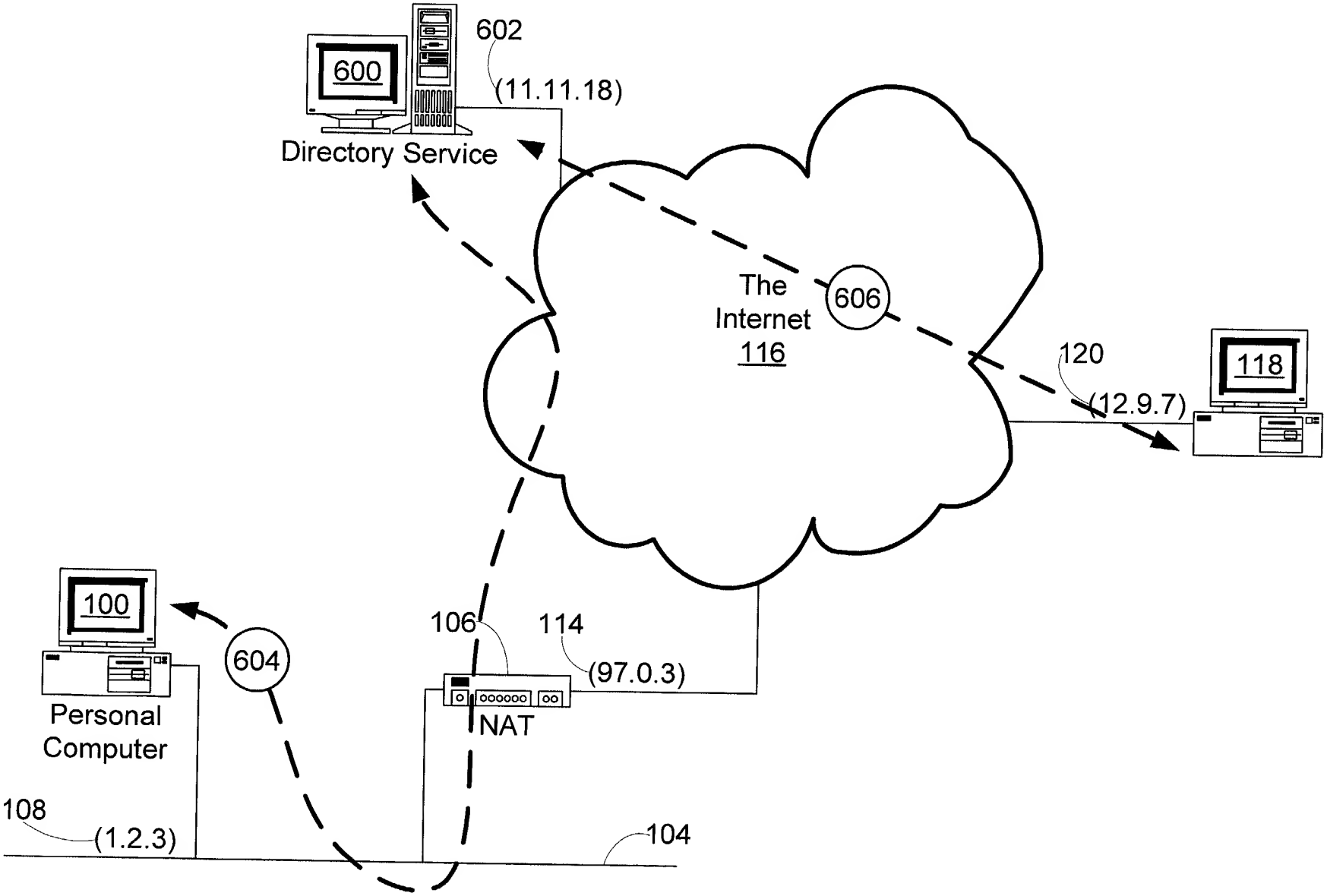

The
Internet
116
120
(12.9.7)
118
100
Personal
Computer
108
(1.2.3)
106
NAT
Internet Service
Provider 500
502
NAT

FIG. 6


600
602
(11.11.18)
Directory Service
The
Internet
116
606
120
(12.9.7)
118
100
604
106
114
(97.0.3)
NAT
Personal
Computer
108
(1.2.3)
104